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(71) Applicant (for all designated States except US): UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH [GB/GB]; Old College, South Bridge, Edinburgh EH8 9YL (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): AL-JAMAL, Rehab [CA/GB]; Division of Pathology, School of Molecular and Clinical Medicine, College of Medicine & Veterinary Medicine, University of Edinburgh, Teviot Place, Edinburgh EH8 9AG (GB). HARRISON, David, James [GB/GB]; Division of Pathology, School of Molecular and Clinical Medicine, College of Medicine & Veterinary Medicine, University of Edinburgh, Teviot Place, Edinburgh EH8 9AG (GB).

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(54) Title: TISSUE REPAIR

(57) Abstract: The present invention methods and novel compounds for facilitating tissue repair and regeneration when the extracellular matrix is damaged. Specifically, binding of the beta 1 integrin is shown to provide a modulation of its functional activity resulting in up regulation of extracellular matrix anabolism. The invention therefore provides a method and novel compounds which can facilitate tissue regeneration in many systems such as the lung, skin, liver and bone. In particular, the binding of the JBL antibody to a site of amino acid residues 82 to 87 of the mature beta 1 integrin is shown to be particularly effective in mediating the described tissue repair effect.